

19 p⁺

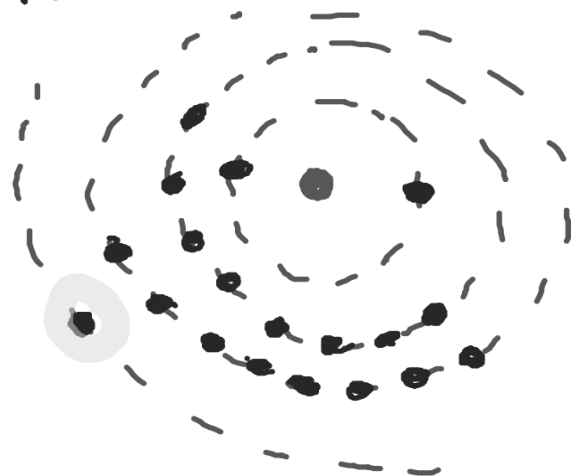
20 n⁰

19 e⁻

1 n e⁻

³⁹₁₉K

K-39



Both model
e⁻ model

- RINGS
- Shells
- energy levels

Rule of 8

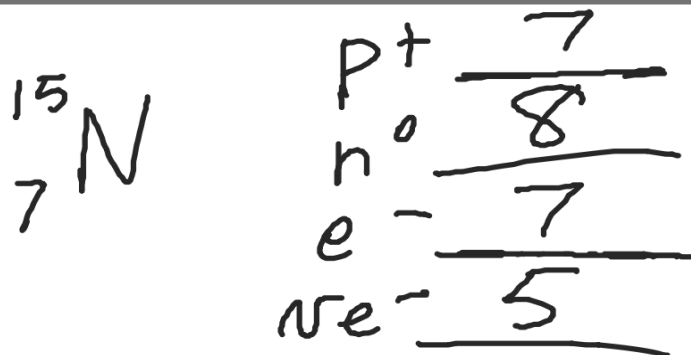
Atoms prefer to have 8 e^- in their outer energy level.

Valence electrons ne^- are the e^- in the outer energy level

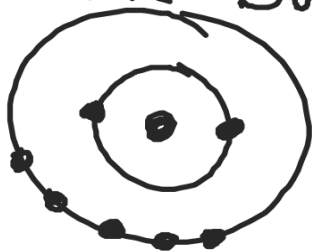
1A elements have 1 ne^-

2A elements have 2 ne^-

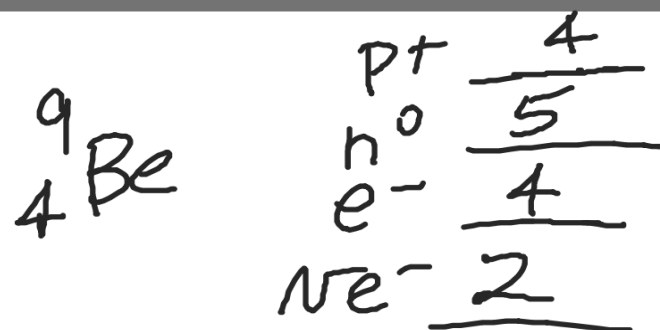
| | | | |
|----|----------|------|---------|
| 3A | elements | have | $3ne^-$ |
| 4A | " | " | $4ne^-$ |
| 5A | " | " | $5ne^-$ |
| 6A | " | " | $6ne^-$ |
| 7A | " | " | $7ne^-$ |
| 8A | " | " | $8ne^-$ |



DRAW the Bohr model



Number of
energy levels = Period #



Bohr model

